

NRC FORM 114  
(5-90)  
NRCM 4108

U.S. NUCLEAR REGULATORY COMMISSION

**CAREER OPPORTUNITY ANNOUNCEMENT**

DO NOT REMOVE POSTING

AN EQUAL OPPORTUNITY EMPLOYER. CANDIDATES WILL BE CONSIDERED WITHOUT DISCRIMINATION FOR ANY NUMERICAL REASON SUCH AS RACE, COLOR, RELIGION, SEX, NATIONAL ORIGIN, POLITICAL AFFILIATION, MARITAL STATUS, PHYSICAL OR MENTAL HANDICAPS, AGE, OR MEMBERSHIP IN AN EMPLOYEE ORGANIZATION.

POSITION TITLE <b>Senior Structural Engineer</b>		ANNOUNCEMENT NUMBER <b>0248004</b>	DATES: OPENING <b>11/26/01</b>	CLOSING (Close of business) <b>01/07/02</b>	EXPIRATION (For "Open Until Filled" vacancies remove posting on this date)
SERIES <b>0810</b>	GRADE <b>GG-15</b>	KNOWLEDGE PROMOTION POTENTIAL TO <b>15</b>	AREA OF CONSIDERATION <input checked="" type="checkbox"/> NATIONWIDE <input type="checkbox"/> WASHINGTON, DC COMMUTING AREA <input type="checkbox"/> REGION COMMUTING AREA <input type="checkbox"/> OTHER		TYPE OF POSITION <input checked="" type="checkbox"/> BARGAINING UNIT <input checked="" type="checkbox"/> FULL-TIME <input checked="" type="checkbox"/> PERMANENT APPOINTMENT <input checked="" type="checkbox"/> INCUMBENT IS SUBJECT TO RANDOM DRUG TESTING <input type="checkbox"/> NONBARGAINING UNIT <input type="checkbox"/> PART-TIME <input type="checkbox"/> TEMPORARY APPOINTMENT <input type="checkbox"/> NOT TO EXCEED
ORGANIZATION LOCATION <b>NMSS, Spent Fuel Project Office Technical Review Directorate</b>		NAME OF IMMEDIATE SUPERVISOR <b>Wayne Hodges</b>			
DUTY LOCATION <b>Rockville, MD</b>		TRAVEL REQUIREMENTS <b>Minimal</b>			

APPLICATION INSTRUCTIONS: COMPLETE AND SUBMIT THE FOLLOWING TO THE ADDRESS SPECIFIED AT THE BOTTOM OF THIS PAGE. (Use the Vacancy Announcement Number in all correspondence.)

1. AN UPDATED SP/PI PERSONAL QUALIFICATIONS STATEMENT OR APPLICATION FOR GOVERNMENT EMPLOYMENT OR RESUME
2. AN NRC FORM THE VACANCY ANNOUNCEMENT STATUS NOTICE (NRC application only)
3. A COPY OF YOUR CURRENT PERFORMANCE APPRAISAL OR A SIGNED STATEMENT THAT IT IS NOT AVAILABLE.
4. NRC APPLICANTS (ONLY); FOUR COPIES OF APPLICATION MATERIALS REQUESTED.
5. THE NRC IS A ZERO-TOLERANCE AGENCY WITH RESPECT TO ILLEGAL DRUG USE.
6. OTHER (Specify): **OF-612, Rating Factors, Salary History**

NOTICE: APPLICATIONS MAY BE REFERRED TO THE RATING ENTITY A MINIMUM OF SIXTEEN (16) CALENDAR DAYS AFTER OPENING DATE.

NONBARGAINING UNIT POSITIONS ONLY. CANDIDATES WHOSE PRESENT PROMOTION POTENTIAL DOES NOT EXCEED THE POTENTIAL OF THIS VACANCY MAY NOT BE SUBJECT TO RATING PROCEDURES AND MAY BE REFERRED DIRECTLY TO THE SELECTING OFFICIAL.

DUTIES OF POSITION (If this position is announced at multiple grade levels, these duties describe the full performance level, at lower grade levels the duties may vary slightly and will be performed under somewhat closer supervision.)

Reviews complex passive and dynamic responses of structural and mechanical aspects of spent fuel storage and transportation package designs, including special projects related to spent fuel storage and transportation packages, and spent fuel storage facilities. Provides advice to management officials on the safety aspects of transportation and storage facilities. Provides advice to management officials on the safety aspects of transportation and storage of spent nuclear fuel and other radioactive materials.

QUALIFICATIONS REQUIRED (If the position is announced at multiple grade levels, these qualifications describe the full performance level, unless otherwise specified. The position description, immediate supervisor, and/or NRC Manual chapter and Appendix 4108 can be consulted for more detailed qualification requirements and/or interpretation of qualifying experience.)

Candidates may meet the basic qualifications required by:

- (1) Having at least one year's experience at the next lower grade level in the occupational series listed above or other related series performing similar or like duties, OR
- (2) Possessing knowledge of the theory, principles, and practices in a

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RATING FACTORS (Applicants are strongly encouraged to submit a statement addressing the Rating listed below.)

Candidates must address the rating factors listed below:

1. Knowledge of the principles, theories, and practices of structural and mechanical engineering, including static and dynamic analysis to determine the adequacy of the design of storage and transportation containers, devices, and related equipment.

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FOR ADDITIONAL INFORMATION CONTACT

Tammy Simmons

Email: TMS1

Mail Stop: T-2 D32

TELEPHONE

AREA CODE

NUMBER

301

415-7016

SEND APPLICATION MATERIALS TO:

<input checked="" type="checkbox"/> Human Resources Recruitment & Operations Office of Human Resources	<input type="checkbox"/> Region I Personnel Officer	<input type="checkbox"/> Region II Personnel Officer	<input type="checkbox"/> Region III Personnel Officer	<input type="checkbox"/> Region IV Personnel Officer
U.S. Nuclear Regulatory Commission Washington, D.C. 20555	U.S. Nuclear Regulatory Commission 475 Allendale Road King of Prussia, PA 19406	U.S. Nuclear Regulatory Commission 61 Forsyth Street, SW (23785) Atlanta, GA 30303	U.S. Nuclear Regulatory Commission 801 Warrenville Road Lisle, IL 60532	U.S. Nuclear Regulatory Commission 611 Ryan Plaza Drive, Suite 400 Arlington, TX 76011

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**QUALIFICATIONS REQUIRED - CONTINUED**

field of engineering, physical science, or related technical disciplines as evidenced by a bachelor's degree or equivalent combination of education, training, and experience.

All candidates must have experience which demonstrates technical knowledge that is applicable to the licensing and certification of spent fuel storage installations and cask systems, and transportation package designs. At least one year of this experience must have been at the next lower grade level or equivalent.

**RATING FACTORS - CONTINUED**

(EXAMPLE: Describe specific training, education, and experience that demonstrates your ability to apply structural and mechanical engineering principles to the analysis of safety issues associated with the review of spent fuel storage and transportation package designs, spent fuel storage facilities, or related equivalent activities.)

2. Demonstrated ability to apply structural dynamic principles to the review of spent fuel storage and transportation package designs, spent fuel storage facilities, or related activities. (DOUBLE WEIGHTED)

(EXAMPLE: Describe specific training, education, and experience that demonstrates your ability to analyze and evaluate dynamic and static responses of systems, structures and components, as they relate to static and dynamic loads on spent fuel storage and transportation package designs, or related equivalent activities, e.g., commercial or non-commercial power reactor plants, or fuel cycle facilities, or phenomena such as dynamic loads resulting from drops, crashes, seismic events, and/or explosive charges. Describe your experience using state-of-the-art computer models and codes in solving structural or mechanical engineering problems.)

3. Broad knowledge of NRC goals, regulations, regulatory guides, and licensing policies, including those applicable to radiological safety, and storage and transport of radioactive materials.

(EXAMPLE: Describe specific training, education, and experience that demonstrates your knowledge of the above. Describe the relevance of your knowledge and experience to the storage and transport of radioactive materials including spent nuclear fuel or similar activities.)

4. Demonstrated ability to present oral and written recommendations to senior level NRC and licensee personnel, and to discuss varied and complex technical problems with representatives of other NRC offices, other governmental agencies, national laboratories, and industry

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**RATING FACTORS - CONTINUED**

representatives.

(EXAMPLE: Describe specific training, education, and experience that demonstrates your ability to participate in and lead complex technical discussions. Provide examples of consolidating complex and diverse opinions into concise, balanced and well-founded recommendations. Describe the kinds of presentations you have made, to whom and for what purpose. Provide specific examples of work assignments which required you to present, coordinate, and resolve issues with representatives of Federal agencies and private industry.)

PLEASE SUBMIT RESUME INCLUDING SALARY HISTORY, SF-171, OR OF-612 AND STATEMENT ADDRESSING RATING FACTORS TO:

U.S. Nuclear Regulatory Commission  
Office of Human Resources  
ATTN: Tammy Simmons, Mail Stop T-2 D32  
Washington, D.C. 20555

SALARY RANGE: \$87,864 - \$114,224

CURRENT/REINSTATEMENT-ELIGIBLE FEDERAL EMPLOYEES WITH STATUS (TENURE GROUP 1 OR 2) WILL BE CONSIDERED THROUGH MERIT PROMOTION PROCEDURES UNDER THIS ANNOUNCEMENT AND MUST SUBMIT A COPY OF AN SF-50 (NOTIFICATION OF PERSONNEL ACTION) TO VERIFY COMPETITIVE STATUS OR REINSTATEMENT ELIGIBILITY. PLEASE NOTE: NRC EMPLOYEES DO NOT HAVE TO SUBMIT AN SF-50. STATUS APPLICATNS, BOTH NRC EMPLOYEES AND OTHERS, WHO WISH TO BE CONSIDERED UNDER BOTH MERIT PROMOTION AND COMPETITIVE PROCEDURES MUST SUBMIT TWO COMPLETE APPLICATION PACKAGES. IF ONLY ONE APPLICATION IS RECEIVED, IT WILL BE CONSIDERED UNDER THE MERIT PROMOTION ANNOUNCEMENT ONLY.

VETERAN'S PREFERENCE: IF CLAIMING 5-POINT VETERANS' PREFERENCE, YOU MUST ATTACH A COPY OF YOUR DD-214 (CERTIFICATE OF RELEASE OR DISCHARGE FROM ACTIVE DUTY) OR OTHER PROOF OF ELIGIBILITY. IF CLAIMING 10-POINT VETERANS' PREFERENCE, YOU MUST ATTACH AN SF-15 (APPLICATION FOR 10-POINT VETERANS' PREFERENCE) PLUS THE PROOF REQUIRED BY THAT FORM.

NOTE: Breadth, recency, and length of experience in the field; training, awards, and commendations; past and current performance; and community or outside professional activities will be considered as they relate to each of the above factors to determine the level of knowledge, skill, or ability of candidates.

REASONABLE ACCOMODATIONS WILL BE MADE FOR QUALIFIED APPLICANTS OR EMPLOYEES WITH DISABILITIES, EXCEPT WHEN DOING SO WOULD POSE AN UNDUE HARDSHIP ON THE EMPLOYING AGENCY.

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RATING FACTORS - CONTINUED

EXECUTIVE AGENCIES ARE PROHIBITED FROM ACCEPTING OR CONSIDERING APPLICANTS FOR COMPETITIVE APPOINTMENTS OR POSITIONS BASED ON POLITICAL RECOMMENDATIONS FROM MEMBERS OF CONGRESS, CONGRESSIONAL EMPLOYEES, ELECTED STATE OR LOCAL GOVERNMENT OFFICIALS, AND POLITICAL PARTY OFFICIALS. SUCH OFFICIALS MAY ONLY SUPPLY STATEMENTS REGARDING THE CHARACTER AND RESIDENCE OF THE APPLICANT.